

NEW NAMES AND COMBINATIONS, PRINCIPALLY IN THE ROCKY
MOUNTAIN FLORA-VII.

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ABSTRACT

Two new genera, *Minuopsis* (Alsinaceae), and *Neolepia* (Brassicaceae) are proposed, and fourteen new taxa or combinations are proposed for North American vascular plants, in the genera *Allium*, *Bassia*, *Boechera*, *Critesion*, *Limnorchis*, *Minuopsis*, *Neolepia*, *Oligosporus*, *Rhus*, *Stipa*, *Tithymalus* and *Vezibia*.

KEY WORDS: Nomenclature, new taxa, Colorado, United States.

The sixth paper in this series was published in *Phytologia* 62:437-438. 1987.

Allium brandegei S. Wats. forma *viviparum* W.A. Weber, forma *nova*.
HOLOTYPE: UNITED STATES. Colorado: Routt Co.; along Fish Creek/
Long Lake trail just above upper falls on Fish Creek, ca 1.5 mi above
the lower falls; wet areas, rocky meadow along trail, in a population of
normal plants, 24 June 1989, W.F. Jennings (COLO 442565).

A species differt flores pro maxima parte bulbillis ovoideis 4-5
mm longis succedaneis.

Boechera vivariensis (Welsh) W.A. Weber, *comb. nov.* BASIONYM: *Ara-
bis vivariensis* Welsh, Great Basin Nat. 46:263. 1986.

I am following the treatment of Löve & Löve (1976) where the genus was
recognized on the basis of chromosome number and morphology.

Critesion brachyantherum (Nevski) W.A. Weber, *comb. nov.* BASIONYM:
Hordeum brachyantherum Nevski, Tr. Bot. Inst. AN SSSR (1)2:61. 1936.

Hordeum jubatum L. subsp. *breviaristatum* Bowden (1962). *Critesion
jubatum* (L.) Nevski subsp. *breviaristatum* (Bowden) Löve & Löve
(1984).

Löve (1984) justified recognition of *Critesion* in his Conspectus of the Triticeae.

Bassia sieversiana (Pallas) W.A. Weber, *comb. nov.* BASIONYM: *Suaeda sieversiana* Pallas. Illustr. Plantarum 45. 1803.

I am following the revision of *Bassia* by A.J. Scott (1978), in which many transfers from *Kochia* to *Bassia* were made, with the exception of this one.

Rhus aromatica Ait. subsp. *trilobata* (Nutt.) W.A. Weber, *comb. nov.* BASIONYM: *Rhus trilobata* Nutt. in T. & G., Fl. N. Amer. 1:219. 1838.

This is a combination inadvertently omitted from an earlier treatment of *Rhus* (Weber, *et al.* 1981).

Oligosporus dracunculus (L.) Polyakov subsp. *dracunculinus* (S. Wats.) W.A. Weber, *comb. nov.* BASIONYM: *Artemisia dracunculina* S. Wats., Proc. Amer. Acad. 23:279. 1888; *A. dracunculus* subsp. *dracunculina* (S. Wats.) Hall.

This is the southwestern North American race with longer, slender peduncles.

Minuopsis W.A. Weber, *genus nov.* Based on: *Minuartia* sect. *Sclerophylla* Mattfeld in Engler, Bot. Jahrb. Syst. 57, Beibl. 126:28. 1921 (new combinations), *op. cit.* 127:52 (discussion), 60 (diagnosis). 1922. TYPUS: *Arenaria pungens* Nutt.

Suffrutices, herbae perennes vel annuae et deinde petala calyce breviora rarius paullum longiora, rarissime subemarginatae (in speciebus annuis nunquam). Caules teretes vel subteretes. Folia linearia, subulata vel setacea, rarius lanceolata 5 mm latitudine nunquam attingentia, recurvata, nervo mediano valde incrassato rigida. foliorum fascicula patentia. Sepala acuta vel acuminata rarius ovato-obtusata. Calyx ovoideus vel urceolatus. Calyx fructifer sepalis erectis. Petala alba. Stamina uniseriata, epipetala nunquam petalorum unguiculo affixa. Glandulae breviores, subglobosae vel subquadratae et deinde stamine terminatae aut apice bipartitae et deinde stamen in vallecule ferentes. Semina nunquam discoidea. varia forma, dorso plana vel saepius convexa rarius concava, plus minusve reniformia, rarius usque 2.5 mm lata, daedaleo rugulosa vel regulariter areolata. Cotyledones incumbentes. [From Mattfeld, *op. cit.*]

Minuopsis nuttallii (Pax) W.A. Weber, *comb. nov.* BASIONYM: *Arenaria nuttallii* Pax, Bot. Jahrb. Syst. 18:30. 1893.

A. pungens Nutt. ex T. & G., Fl. N. Amer. 1:179. 1838, non Clemente ex Lagasca, Gen. et Spec. Plant. 15. 1816.

Minuopsis caroliniana (Walter) W.A. Weber, *comb. nov.* BASIONYM: *Arenaria caroliniana* Walter, Fl. Carol. 141. 1788. *Minuartia caroliniana* (Walter) Mattfeld.

Minuopsis michauxii (Fenzl) W.A. Weber, *comb. nov.* BASIONYM: *Alsine michauxii* Fenzl, Verbr. Als., tab. ad p. 18. 1833. *Minuartia michauxii* (Fenzl) Mattfeld.

Neolepia W.A. Weber, *nom. nov.* Based on: *Lepia* N.A. Desvaux, J. Bot. Agric. 3:165. 1815, *hom. illeg.*, non J. Hill, Exot. Bot. t. 29. 1759. TYPUS: *Thlaspi campestre* L.

Neolepia campestris (L.) W.A. Weber, *comb. nov.* *Thlaspi campestre* L., Sp. Pl. 646. 1753. *Lepidium campestre* (L.) R. Brown.

Lepidium campestre has been placed, with a small group of European species, in the section *Lepia* DC. Desvaux (1815) proposed the genus *Lepia* for the group, but it is a later homonym of *Lepia* J. Hill (1759), which is a *nom. rej.* vs *Zinnia* L. According to ICBN, Article 64, "A name... is illegitimate if it is a later homonym." Note 1 under the rule states: "Even if the earlier homonym is illegitimate, or is generally treated as a synonym on taxonomic grounds, the later homonym must be rejected." It would appear that the rule covers this instance.

Lepidium campestre is an anomalous species in that genus. The silicle is broadly winged distally, the wing involving the lower part of the style; the pedicels are horizontal, shorter than or equaling the silicle; the middle and upper stem leaves clasp the stem, and they are undivided. Most conspicuously, this group differs from *Lepidium* in its shovel shaped, not plane, silique which is gibbous on the dorsal face. Linnaeus was aware of the discordance, having placed this species in the genus *Thlaspi*; there is a strong superficial resemblance to *T. arvense*.

Limnorchis zothecina (Higgins & Welsh) W.A. Weber, *comb. nov.* BASIONYM: *Habenaria zothecina* Higgins & Welsh, Great Basin Nat. 46:259. 1986.

I do not agree with those who would unite these plants with the European genus *Platanthera*, nor do I think this should be part of *Habenaria*.

Stipa contracta (B.L. Johnson) W.A. Weber, *comb. nov.* BASIONYM:
Oryzopsis hymenoides (R. & S.) Ricker var. *contracta* B.L. Johnson. Bot.
 Gaz. 107:24. 1945. *Oryzopsis contracta* Schechter, Brittonia 18:342.
 1966.

The inclusion of *Oryzopsis hymenoides* in *Stipa* is discussed at length by
 Welsh (1987).

Tithymalus incisus (Engelmann) W.A. Weber, *comb. nov.* BASIONYM:
Euphorbia incisa Engelmann in Ives, Rep. Colorado River, IV. Bot. 27.
 1861.

This combination was never made by Norton, and my use of such a combi-
 nation was an error, recently pointed out to me by Dr. Rob C.H.M. Oudejans.

Vexibia leachiana (M.E. Peck) W.A. Weber, *comb. nov.* BASIONYM:
Sophora leachiana M.E. Peck, Madroño 6:13. 1941.

The history and morphology of *Vexibia* are discussed by Weber (1987).

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